

### CERTIFICATE OF MAILING

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Name of Person Mailing Paper: Aimee Harrison

2/11/04  
Date

**PATENT**

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No: 10/699,627  
Filing Date: October 31, 2003  
Art Unit: 3754  
Applicant: Babiarz et al.  
Title: METHOD OF NONCONTACT DISPENSING OF VISCOUS MATERIAL  
Atty Docket: NOR-1147

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

### INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of candor and good faith imposed by 37 CFR §1.56 and means of complying therewith according to 37 CFR §§1.97 and 1.98, the references listed on the attached PTO-1449 are called to the attention of the United States Patent and Trademark Office in connection with the above-identified patent application.

This application was filed after June 30, 2003, and therefore, no copies are enclosed of the U.S. Patents or Published applications cited as references herein.

No admission is made that the cited art represents the prior art or that the cited art is the most material art. Applicant submits that none of the cited references alone or in combination disclose or render obvious the subject matter in the present invention.

The Examiner is urged to consider the cited references and to make an independent decision with respect to their materiality.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

By 

C. Richard Eby, Reg. No. 25,854

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. NOR-1147		SERIAL NO. 10/699,627	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Babiarz et al.		GROUP 3754	
(37 CFR 1.98(b))				FILING DATE October 31, 2003			

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.A	4	8	7	2	4	1	7	10/1989	Kuwabara et al.			
	A.B	4	9	5	1	6	0	0	08/1990	Soshi et al.			
	A.C	4	9	6	7	9	3	3	11/1990	Maiorca et al.			
	A.D	5	0	5	2	3	3	8	10/1991	Maiorca et al.			
	A.E	5	1	4	1	1	6	5	08/1992	Sharpless et al.			
	A.F	5	3	7	7	9	1	3	01/1995	Van Der Woude			
	A.G	5	5	0	5	7	7	7	04/1996	Ciardella et al.			
	A.H	5	7	1	1	9	8	9	01/1998	Ciardella et al.			
	A.I	5	7	9	5	3	9	0	08/1998	Cavallaro			
	A.J	5	8	1	9	9	8	3	10/1998	White et al.			
	A.K	5	8	3	7	8	9	2	11/1998	Cavallaro et al.			

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	A.L						
	A.M						
	A.N						
	A.O						
	A.P						
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
	A.R	Prentice et al., <u>U.S. Pub. No. US 2003/0091727 A1</u> , May 15, 2003
	A.S	Precision Valve & Automation, <u>Valves, Controllers, Tanks &amp; Accessories, Manual Fluid Dispensing Systems</u> , Product Brochure, No Date
	A.T	Asymtek®, a Nordson Company, <u>AXIOM™ X-1020 Series, System Specifications</u> , Published July, 2003

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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(37 C.F.R. 1.98(b))

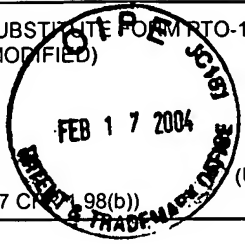
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B.A	5	9	0	6	6	8	2	05/1999	Bouras et al.			
	B.B	6	1	2	3	2	6	8	09/2000	Chastine			
	B.C	6	1	3	2	8	0	9	10/2000	Hynes et al.			
	B.D	6	1	7	3	8	6	4	01/2001	Reighard et al.			
	B.E	6	4	4	7	8	4	7	09/2002	Hynes et al.			
	B.F												
	B.G												
	B.H												
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	B.J												
	B.K												

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	B.M						
	B.N						
	B.O						
	B.P						
	B.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
	B.R	Alan Lewis, Alec J. Babiarz, <u>Automatic Dispensing Process for Under Filling Flip Chip on Board</u> , No date
	B.S	Asymtek, <u>Jetting Underfill Achieves Record Quality and Speed</u> , Website Printout, October 14, 2003
	B.T	Steven J. Adamson, <u>Review of CSP and Flip Chip Underfill Processes and When to Use the Right Dispensing Tools for Efficient Manufacturing</u> , GlobalTRONICS Technoogy Conference 2002, Singapore

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	C.B						
	C.C						
	C.D						
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	C.L						
	C.M						
	C.N						
	C.O						
	C.P						
	C.Q						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	C.R	Alan Lewis, Christian Q. Ness, Brian Verilli, <u>Controlling Fillet Size in Underfill Process</u> , February 1999					
	C.S	Remy Lim, Allen Duck, <u>Controlling Process Parameters for Flip-Chip Underfill</u> , Electronics Engineer, July 2000					
	C.T	Alan Lewis, Alec Babiarz, Christian Q. Ness, EC Ng, <u>Best Practices in Automated Underfill Dispensing</u> , August 1998					
EXAMINER				DATE CONSIDERED			
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